

Exhibit 5



UNITED STATES
PATENT AND TRADEMARK OFFICE

Assignment abstract of title for Application 13461141

Invention title/Inventor	Patent	Publication	Application	PCT	International registration
AUTOMATED DEVICE PROVISIONING AND ACTIVATION Gregory G. Raleigh	8406733 Mar 26, 2013	20120214441 Aug 23, 2012	13461141 May 1, 2012		

Assignments (2 total)

Assignment 2

Reel/frame	Execution date	Date recorded	Properties	Pages
041248/0681	Dec 29, 2016	Jan 4, 2017	56	6

Conveyance

MERGER AND CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

Assignors	Correspondent
HEADWATER PARTNERS I LLC	ANN TAYLOR
HEADWATER MANAGEMENT LLC	1011 PRUITT PLACE TYLER, TX 75703

Assignee

HEADWATER RESEARCH LLC
1011 PRUITT PLACE
TYLER, TEXAS 75703

Assignment 1

Reel/frame	Execution date	Date recorded	Properties	Pages
028149/0075	Mar 24, 2009	May 3, 2012	1	2

Conveyance

ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors	Correspondent
RALEIGH, GREGORY G.	SHEPPARD, MULLIN, RICHTER & HAMPTON LLP 379 LYTTON AVENUE PALO ALTO, CA 94301

Assignee

HEADWATER PARTNERS I, LLC
2995 WOODSIDE ROAD
STE. 400
WOODSIDE, CALIFORNIA 94062-2048

501908971 05/03/2012

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <tr> <th>Name</th> <th>Execution Date</th> </tr> <tr> <td>Gregory G. Raleigh</td> <td>03/24/2009</td> </tr> </table>		Name	Execution Date	Gregory G. Raleigh	03/24/2009								
Name	Execution Date												
Gregory G. Raleigh	03/24/2009												
RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>Headwater Partners I, LLC</td> </tr> <tr> <td>Street Address:</td> <td>2995 Woodside Road</td> </tr> <tr> <td>Internal Address:</td> <td>Ste. 400</td> </tr> <tr> <td>City:</td> <td>Woodside</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>94062-2048</td> </tr> </table>		Name:	Headwater Partners I, LLC	Street Address:	2995 Woodside Road	Internal Address:	Ste. 400	City:	Woodside	State/Country:	CALIFORNIA	Postal Code:	94062-2048
Name:	Headwater Partners I, LLC												
Street Address:	2995 Woodside Road												
Internal Address:	Ste. 400												
City:	Woodside												
State/Country:	CALIFORNIA												
Postal Code:	94062-2048												
PROPERTY NUMBERS Total: 1													
<table border="1"> <tr> <th>Property Type</th> <th>Number</th> </tr> <tr> <td>Application Number:</td> <td>13461141</td> </tr> </table>		Property Type	Number	Application Number:	13461141								
Property Type	Number												
Application Number:	13461141												
CORRESPONDENCE DATA													
Fax Number:	(650)815-2600												
Phone:	(650)815-2601												
Email:	aocollette@sheppardmullin.com												
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>													
Correspondent Name:	Sheppard, Mullin, Richter & Hampton LLP												
Address Line 1:	379 Lytton Avenue												
Address Line 4:	Palo Alto, CALIFORNIA 94301												
ATTORNEY DOCKET NUMBER:	26WV-169494 [RALEP071]												
NAME OF SUBMITTER:	Marc A. Sockol												
Total Attachments: 1 source=P007_Assignment#page1.tif													

CH \$40.00 13461141

501908971

PATENT
REEL: 028149 FRAME: 0075

ASSIGNMENT OF PATENT APPLICATION

Whereas I/we the undersigned inventor(s) have invented certain new and useful improvements as set forth in the patent application entitled:

AUTOMATED DEVICE PROVISIONING AND ACTIVATION

for which I (we) have executed an application for a United States Letters Patent which was filed in the U.S. Patent and Trademark Office on March 2, 2009, and which bears the Application No. 12/380,780, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known;

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We the undersigned inventor(s) hereby:

- 1) Sell(s), assign(s) and transfer(s) to Headwater Partners I, LLC, a Delaware Limited Liability Company having a place of business at 2995 Woodside Road, Ste. 400, Woodside, CA 94062-2048, (hereinafter referred to as "ASSIGNEE"), the entire right title and interest in any and all improvements and inventions disclosed in, application(s) (including foreign applications) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application and/or in any provisional application to which the above referenced application claims priority.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date(s) indicated beside my (our) signature(s).

1) Signature: 
Typed Name: Gregory G. Raleigh

Date: 3/24/09

Atty Dkt. No. RALEP007

RECORDED: 05/03/2012

PATENT
REEL: 028149 FRAME: 0076

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4210269

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	MERGER AND CHANGE OF NAME
EFFECTIVE DATE:	12/29/2016

CONVEYING PARTY DATA

Name	Execution Date
HEADWATER PARTNERS I LLC	12/29/2016

NEWLY MERGED ENTITY DATA

Name	Execution Date
HEADWATER MANAGEMENT LLC	12/29/2016

MERGED ENTITY'S NEW NAME (RECEIVING PARTY)

Name:	HEADWATER RESEARCH LLC
Street Address:	1011 PRUITT PLACE
City:	TYLER
State/Country:	TEXAS
Postal Code:	75703

PROPERTY NUMBERS Total: 56

Property Type	Number
Patent Number:	8023425
Patent Number:	8250207
Patent Number:	8275830
Patent Number:	8321526
Patent Number:	8326958
Patent Number:	8331901
Patent Number:	8340634
Patent Number:	8346225
Patent Number:	8351898
Patent Number:	8355337
Patent Number:	8385916
Patent Number:	8391834
Patent Number:	8396458
Patent Number:	8402111
Patent Number:	8406733

PATENT

REEL: 041248 FRAME: 0681

504163592

Property Type	Number
Patent Number:	8406748
Patent Number:	8437271
Patent Number:	8441989
Patent Number:	8467312
Patent Number:	8478667
Patent Number:	8516552
Patent Number:	8527630
Patent Number:	8531986
Patent Number:	8548428
Patent Number:	8570908
Patent Number:	8583781
Patent Number:	8588110
Patent Number:	8589541
Patent Number:	8606911
Patent Number:	8626115
Patent Number:	8630192
Patent Number:	8630611
Patent Number:	8630617
Patent Number:	8630630
Patent Number:	8631102
Patent Number:	8634805
Patent Number:	8635335
Patent Number:	8635678
Patent Number:	8639811
Patent Number:	8639935
Patent Number:	8640198
Patent Number:	8666364
Patent Number:	8667571
Patent Number:	8688099
Patent Number:	8695073
Patent Number:	8713630
Patent Number:	8724554
Patent Number:	8725123
Patent Number:	8737957
Patent Number:	8745191
Patent Number:	8745220
Patent Number:	8788661
Patent Number:	8793758

Property Type	Number
Patent Number:	8797908
Patent Number:	8799451
Patent Number:	8832777

CORRESPONDENCE DATA**Fax Number:**

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 903-201-6211
Email: patent@headwaterllc.com
Correspondent Name: ANN TAYLOR
Address Line 1: 1011 PRUITT PLACE
Address Line 4: TYLER, TEXAS 75703

NAME OF SUBMITTER:	ANN TAYLOR
SIGNATURE:	/Ann Taylor/
DATE SIGNED:	01/04/2017

Total Attachments: 3

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Delaware

The First State

Page 1

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"HEADWATER PARTNERS I LLC", A DELAWARE LIMITED LIABILITY COMPANY,

WITH AND INTO "HEADWATER MANAGEMENT LLC" UNDER THE NAME OF "HEADWATER RESEARCH LLC", A LIMITED LIABILITY COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE ON THE TWENTY-NINTH DAY OF DECEMBER, A.D. 2016, AT 3:02 O'CLOCK P.M.

4966025 8100M
SR# 20167326785



You may verify this certificate online at corp.delaware.gov/authver.shtml



A handwritten signature of Jeffrey W. Bullock in black ink, followed by a horizontal line and the typed name "Jeffrey W. Bullock, Secretary of State".

Authentication: 203606635
Date: 12-29-16

PATENT
REEL: 041248 FRAME: 0684

State of Delaware
Secretary of State
Division of Corporations
Delivered 03:02 PM 12/29/2016
FILED 03:02 PM 12/29/2016
SR 20167326785 - File Number 4966025

CERTIFICATE OF MERGER

MERGING

**HEADWATER PARTNERS I LLC
A DELAWARE LIMITED LIABILITY COMPANY**

WITH AND INTO

**HEADWATER MANAGEMENT LLC
A DELAWARE LIMITED LIABILITY COMPANY**

Pursuant to Section 18-209 of the Delaware Limited Liability Company Act

Headwater Management LLC, a Delaware limited liability company (the “**LLC**”), does hereby certify as follows:

FIRST: The LLC is a limited liability company duly formed and existing under the laws of the State of Delaware and Headwater Partners I LLC (the “**Company**”) is a limited liability company duly formed and existing under the laws of the State of Delaware.

SECOND: The Agreement and Plan of Merger (the “**Merger Agreement**”), dated as of December 29, 2016, by and among the Company and the LLC, setting forth the terms and conditions of the merger of the Company with and into the LLC (the “**Merger**”), has been approved, adopted, certified, executed and acknowledged by the LLC and the Company in accordance with Section 18-209 of the Delaware Limited Liability Company Act.

THIRD: The LLC shall be the surviving entity of the Merger (the “**Surviving LLC**”) and the name of the Surviving LLC shall be changed to “Headwater Research LLC”.

FOURTH: The executed Merger Agreement is on file at the principal place of business and office of the Surviving LLC at the following address: 1011 Pruitt Place, Tyler, Texas 75703.

FIFTH: A copy of the Merger Agreement will be furnished by the Surviving LLC, on request and without cost, to any member of the Company or the LLC.

SIXTH: The Merger shall be effective upon the filing of this Certificate of Merger with the Secretary of State of the State of Delaware.

* * *

IN WITNESS WHEREOF, Headwater Management LLC has caused this Certificate of Merger to be executed by an authorized person on December 29, 2016.

HEADWATER MANAGEMENT LLC

By: /s/ Greg Raleigh

Name: Greg Raleigh

Title: Manager

[Signature Page to Certificate of Merger]